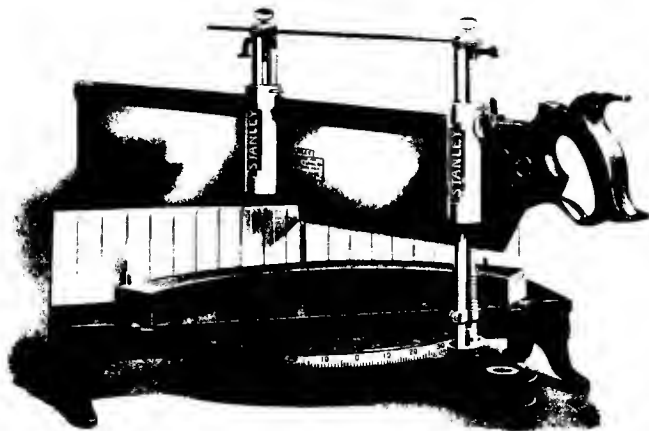


Stanley Mitre Boxes



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ILLUSTRATION OF NO. 244 WITH BACK SAW AND SHOWING SEGMENT OF CIRCLE FIRMLY SUPPORTED BY STOCK GUIDE

Stanley Mitre Boxes

STANLEY MITRE BOXES are constructed on entirely novel lines and embody EXCLUSIVE and IMPORTANT FEATURES not to be found in any other Mitre Box. They are thoroughly mechanical in design, have all parts made by jig and template, and are INTERCHANGEABLE.

They are compact, strong and durable, are quickly and easily put together or taken apart for ease in carrying, have the greatest strength with the least weight, and will do the WIDEST RANGE OF WORK of any Mitre Box made.

THE BACK AND FRAME, GRADUATED QUADRANT AND SWIVEL ARM BEARING are in one piece and accurately machined.

THE QUADRANT is accurately graduated in Degrees as well as being marked for cutting multi-sided pieces and will remain mathematically correct. Experience has shown this to be a more accurate and far superior form of construction to a built up or riveted frame.

THE LEGS which are detachable are so designed as to give great stability to the Box and being of Malleable Iron are UNBREAKABLE.

THE SWIVEL ARM is pivoted in the Frame and has a Bushing so fitted as to prevent any play of the parts. It is provided with a Taper Index Pin which engages in holes on the under side of the Quadrant at the commonly used Angles permitting the cutting of 4, 5, 6, 8, 12, and 24 Sided Pieces or by setting the Saw at 0 a Square Cut can be made. By merely releasing the Clamping Lever the Taper Index Pin enters the hole of the Quadrant.

THE INDEX PIN being TAPER is always tight in the hole and the position of the Swivel Arm is always held rigidly and correctly without any LOOSE MOTION, and remains true and tight, as any wear in the hole is compensated for by the Taper Pin. This form of construction is far superior and more accurate than the ordinary slotted form of Quadrant subject to wear.

THE INDEX SIGHT PLATE with fine hair line graduation at bottom of Front Saw Guide Upright enables the workman to swing the Swivel Arm accurately up to one of the Index Holes or to any Degree of Graduation on the Quadrant that is desired.

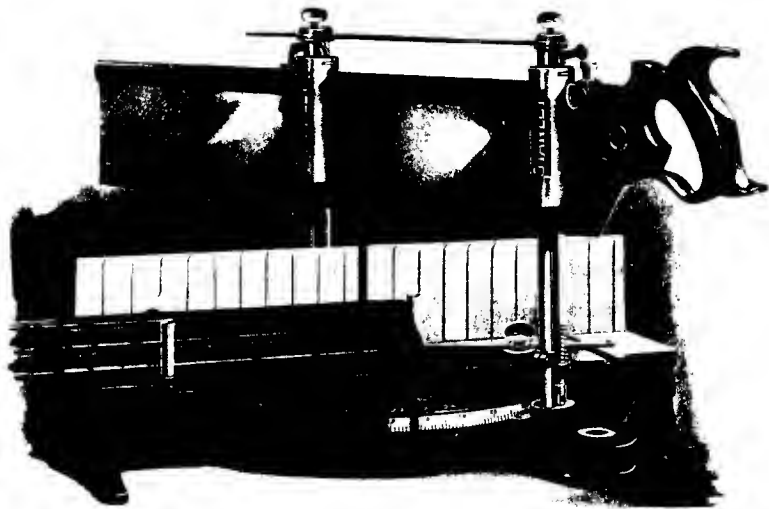
THE SWIVEL ARM can be set at any point between the Index Holes on the Graduated Quadrant merely by releasing the Clamping Lever, which AUTOMATICALLY locks it in the desired position. This feature is shown by the small sectional cut at the bottom of page 80.

THE CLAMPING LEVER under the front of the Swivel Arm may be held up by means of a swinging Thumb Lever, the workman can then swing the Saw or Swivel Arm to any line of the Quadrant, and by a slight movement of the Thumb Lever, the Clamping Lever is released and the Swivel Arm AUTOMATICALLY locked in any desired position.

A SECOND SOCKET in the Swivel Arm is provided in which the Front Saw Guide Upright can be placed, permitting the use of a short Saw or allowing a much longer stroke with the standard or regular Saw. By placing the Saw Guide Upright in the outer hole an extra wide range of work can be done with these boxes and they will then saw at an angle of 30 DEGREES and without using the Stock Guide.

By placing straight work against one of the Guides, instead of against the back of the Box, the MOST ACUTE ANGLES can be cut.

Stanley Mitre Boxes



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ILLUSTRATION OF NO. 388 WITH SAW HELD ABOVE WORK AND IN THE ACT OF BEING TRIPPED. STOCK GUIDE USED AS LENGTH GAUGE

Stanley Mitre Boxes

THE SAW GUIDE. UPRIGHTS are Steel Rods and carry the Saw Guide Cylinders in which the Saw Works. These Uprights, which are instantly removable, are adjustably set in the Swivel Arm, and are clamped by turning the Expanding Screw at the Base, and may be adjusted to hold the Saw **WITHOUT SIDE PLAY**, thus securing great accuracy in the working.

AUTOMATIC CATCHES at the top of the Saw Guides hold the Saw locked and **CLEAR OF THE WORK** when not in use, allowing the workman to use both hands in placing the work. By simply moving the Stop on the Saw against the Lever Trip, the **FRONT CATCH** is released and the Saw falls slightly pitched forward, automatically releasing the **REAR CATCH** without any **NECESSITY** for the workman **TAKING HIS HAND FROM THE SAW** or **TOUCHING THE TRIP LEVER**.

MOVABLE STOPS are attached to the Saw Uprights, which can be set so as to permit the Saw to cut only to the desired depth or to prevent cutting through the Base Board or on to the Metal Frame. A Spring, put on one Upright, cushions the Saw should it fall and also slightly lifts the Saw off the work when not pressed down.

A **TIE BAR** is provided at the top of the Uprights giving great rigidity. When it is necessary to place long work in the Box this Bar can be quickly removed by turning the thumb screws which secure it to the uprights.

STOCK GUIDES are fitted on the back of the Frame and are held by a Clamping Device, and may be used for holding the work or as a Length Gauge by Clamping the Guides on the Plate in the Board as shown by cut on opposite page. By using the Stock Guides, segments of circles or irregular forms may be held securely in the Box as shown by the cut on page 76. Mouldings the shape of which gives no support can be held firmly and always in the same position.

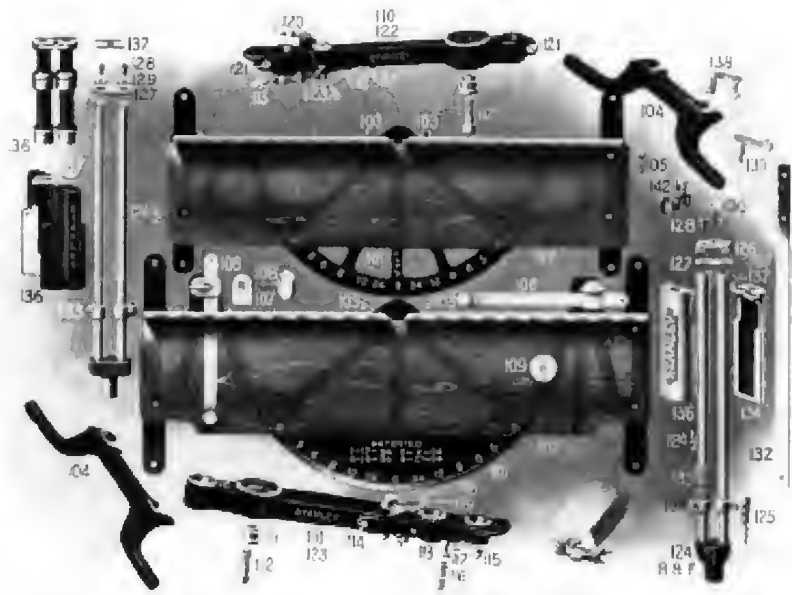
THE TWO ADJUSTABLE. SPURS in the back of the Frame hold the work from slipping.

The **NARROW OPENING** in the Back of the Frame is specially adapted for sawing narrow work.

NO.	LENGTH	WIDTH BOARD	CAPACITY AT			SIZE SAW	PACKED		MITRE BOX ONLY		PACKED		MITRE BOX AND SAW		NO.
			RIGHT ANGLE	MITRE 45°	30° WITHOUT GUIDE		IN BOX	WT LBS.	CODE	PRICE \$	IN BOX	WT LBS.	CODE	PRICE \$	
240	18 IN.	4 1/4 IN.	8 1/4 IN.	5 1/2 IN.	3 1/2 IN.	20x4 IN.	1	23	STAMITASAL	9.50	1	28	STAMITEGAL	10.50	240
242	18 "	4 1/4 "	" "	" "	" "	22x4 "	1	23	STAMITASEM	9.50	1	28 1/4	STAMITEGEM	10.75	242
244	18 "	4 1/4 "	" "	" "	" "	24x4 "	1	23	STAMITABIN	9.50	1	28 1/2	STAMITEGIN	11.00	244
246	18 "	4 1/4 "	" "	" "	" "	26x4 "	1	23	STAMITASOP	9.50	1	30	STAMITEGUR	11.25	246
346	20 1/2 "	4 1/2 "	9 1/2 "	8 1/2 "	4 1/2 "	26x4 "	1	29	STAMITASUR	10.50	1	34	STAMITERAT	12.25	346
358	20 1/2 "	4 1/2 "	" "	" "	" "	28x6 "	1	29	STAMITATAR	10.75	1	38	STAMITEREX	13.00	358
480	24 "	5 1/4 "	11 "	7 1/2 "	5 1/4 "	30x6 "	1	42	STAMITATES	12.50	1	51	STAMITERIZ	18.00	480

The Buck Saws for the above Mitre Boxes are especially made by Henry Diaston & Sons, Ltd.

Parts of Stanley Mitre Boxes



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ILLUSTRATIONS OF PARTS OF MITRE BOXES

Parts of Stanley Mitre Boxes

NO.	NAME OF PART	NUMBER OF MITRE BOX								CODE	NO.
		50	50½	240	242	244	245	346	355	460	
		\$	\$	\$	\$	\$	\$	\$	\$	\$	
101	FRAME	3.00	3.00	3.50	3.50	3.50	3.50	4.20	4.20	5.60	STAMOTICEL 101
102	.. BOARD	.30	.30	.30	.30	.30	.30	.30	.30	.50	STAMOTICIM 102
103	.. BACK SPUR	.05	.05	.05	.05	.05	.05	.05	.05	.05	STAMOTICOM 103
104	.. LEG	.30	.30	.30	.30	.30	.30	.35	.35	.40	STAMOTICUP 104
105	.. SCREW	.05	.05	.05	.05	.05	.05	.05	.05	.05	STAMOTIDAR 105
106	STOCK GUIDE			.25	.25	.25	.25	.25	.25	.25	STAMOTIDEB 106
107	.. CLAMP			.05	.05	.05	.05	.05	.05	.05	STAMOTIDIT 107
108	.. THUMB SCREW			.10	.10	.10	.10	.10	.10	.10	STAMOTIDDX 108
109	.. PLATE			.05	.05	.05	.05	.05	.05	.05	STAMOTIDUZ 109
110	SWIVEL ARM	.75	.75	.25	.25	.25	.25	.40	.40	1.65	STAMOTIFAC 110
111	.. BUSHING	.15	.15	.15	.15	.15	.15	.15	.15	.15	STAMOTIFIF 111
112	.. SCREW	.15	.15	.15	.15	.15	.15	.15	.15	.15	STAMOTIFIF 112
113	INDEX CLAMPING LEVER		.10	.20	.20	.20	.20	.20	.20	.25	STAMOTIFOG 113
114	.. FULCRUM SCREW			.05	.05	.05	.05	.05	.05	.05	STAMOTIKAN 114
115	.. CATCH OR LOCK			.05	.05	.05	.05	.05	.05	.05	STAMOTIKDB 115
116	.. SPRING			.05	.05	.05	.05	.05	.05	.05	STAMOTIKUT 116
117	.. SCREW			.05	.05	.05	.05	.05	.05	.05	STAMDTILAX 117
118	SWIVEL ARM SIGHT PLATE			.10	.10	.10	.10	.10	.10	.10	STAMDTILEZ 118
119	.. SCREW			.05	.05	.05	.05	.05	.05	.05	STAMDTILOC 119
120	.. POSITION SCREW	.05	.05								STAMDTIMOL 120
121	.. CLAMP	.05	.05								STAMDTIMUN 121
122	.. COMPLETE FOR NOS. 50 AND 50½	1.00	1.00								STAMDTINER 122
123	.. 240 TO 460			2.50	2.50	2.50	2.50	2.75	2.75	3.00	STAMDTINIS 123
123½	.. INDEX BUSHING BET SCREW	.05	.05								STAMDTINOT 123½
124	SAW GUIDE "T" BASE	.25	.25								STAMDTIPIL 124
124B	.. (BACK)			.50	.50	.50	.50	.50	.50	.50	STAMDTIPIW 124B
124F	.. (FRONT)			.50	.50	.50	.50	.50	.50	.50	STAMDTISAG 124F
124½	.. UPRIGHTS (EACH)	.15	.15	.20	.20	.20	.20	.20	.25	.25	STAMDTISDR 124½
125	.. "T" BASE EXPANDING SCREW			.10	.10	.10	.10	.10	.10	.10	STAMDTISUS 125
126	.. UPRIGHT CAP			.05	.05	.05	.05	.05	.05	.05	STAMDTIOCAR 126
127	.. PLATE	.05	.05	.05	.05	.05	.05	.05	.05	.05	STAMDTIOCES 127
128	.. SCREW	.05	.05	.05	.05	.05	.05	.05	.05	.05	STAMDTIOCIY 128
129	.. WASHER	.05	.05	.05	.05	.05	.05	.05	.05	.05	STAMDTIOCOX 129
130	.. THUMB			.05	.05	.05	.05	.05	.05	.05	STAMDTIOGUS 130
132	TIE BAR			.10	.10	.10	.10	.15	.15	.15	STAMDTIODAC 132
133	STOP AND SCREW	.15	.15	.15	.15	.15	.15	.15	.15	.15	STAMDTIODED 133
135	.. LIFTING SPRING			.05	.05	.05	.05	.05	.05	.05	STAMDTIODIF 135
136	CYLINDER (EACH)	.75	.25	.35	.35	.35	.35	.35	.35	.35	STAMDTIODOG 136
137	.. INSERTED PLATE	.05	.05	.05	.05	.05	.05	.05	.05	.05	STAMDTIOFAL 137
138	TRIP LEVER SACK			.15	.15	.15	.15	.15	.15	.15	STAMDTIOFEM 138
139	.. FRONT			.15	.15	.15	.15	.15	.15	.15	STAMDTIOFIN 139
142	TRIP CLAMP AND THUMB SCREW			.15	.15	.15	.15	.15	.15	.15	STAMDTIOFUR 142

ALWAYS GIVE MITRE BOX NUMBER AND PART NUMBER, OR CODE FOR EACH, IN ORDERING PARTS